

SEQUENCE LISTING

<110> Bratzler, Robert L.

<120> Inhibition of Angiogenesis by Nucleic Acids

<130> C1037/7025 (HCL/MAT)

<150> US 60/255,534

<151> 2000-12-14

<160> 1093

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 1

tctcccagcg tgcgccat

18

<210> 2

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 2

ataatccagc ttgaaccaag

20

<210> 3

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 3

ataatcgagc ttcaagcaag

20

<210> 4

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 4

taccgcgtgc gacctctt

18

FastSEQ for Windows Version 3.0

```

<210> 5
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 5
ggggagggg 9

<210> 6
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 6
ggggagggg 9

<210> 7
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 7
ggtgaggtg 9

<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (8)...(8)
<223> m5c

<223> Synthetic Sequence

<400> 8
tccatgtngt tcctgatgct 20

<210> 9
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (11)...(11)
<223> m5c

<223> Synthetic Sequence

```

<p><400> 9 gctacaccttag ngtga</p>	<p>15</p>
<p><210> 10 <211> 20 <212> DNA <213> Artificial Sequence</p>	
<p><220> <221> modified base <222> {8}...{8} <223> m5c</p>	
<p><223> Synthetic Sequence</p>	
<p><400> 10 tccatgagnt tctgtatgct</p>	<p>20</p>
<p><210> 11 <211> 20 <212> DNA <213> Artificial Sequence</p>	
<p><220> <221> modified base <222> {13}...{13} <223> m5c</p>	
<p><223> Synthetic Sequence</p>	
<p><400> 11 tccatgacgt tontgatgct</p>	<p>20</p>
<p><210> 12 <211> 15 <212> DNA <213> Artificial Sequence</p>	
<p><220> <221> modified base <222> {7}...{7} <223> m5c</p>	
<p><223> Synthetic Sequence</p>	
<p><400> 12 gctagangtt agtgt</p>	<p>15</p>
<p><210> 13 <211> 19 <212> DNA <213> Artificial Sequence</p>	
<p><220> <223> Synthetic Sequence</p>	
<p><400> 13 agctccatgg tgctcactg</p>	<p>19</p>
<p><210> 14 <211> 20</p>	

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 14
ccacgtcgac cctcaggcga 20

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 15
gcacatcgtc ccgcagccga 20

<210> 16
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 16
gtcactcgtg gtacctcga 19

<210> 17
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 17
gttggataca ggccagactt tgttg 25

<210> 18
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 18
gattcaactt gcgtcatct taggc 25

<210> 19
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 19
accatggacg aactgtttcc cctc 24

<210> 20
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 20
accatggacg agctgtttcc cctc 24

<210> 21
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 21
accatggacg acctgtttcc cctc 24

<210> 22
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 22
accatggacg tactgtttcc cctc 24

<210> 23
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 23
accatggacg gtctgtttcc cctc 24

<210> 24
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 24
accatggacg ttctgtttcc cctc 24

<210> 25
<211> 25
<212> DNA

<213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 25
 ccactcacat ctgctgctcc acaag 25
 <210> 26
 <211> 25
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 26
 acttctcata gtccttttgg tccag 25
 <210> 27
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 27
 tccatgagct tccgagctct 20
 <210> 28
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <221> modified_base
 <222> (9)...(9)
 <223> I
 <221> modified_base
 <222> (11)...(11)
 <223> I
 <221> modified_base
 <222> (15)...(15)
 <223> I
 <400> 28
 gaggaaggng nggangacgt 20
 <210> 29
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence

1007995-11604

```

<221> modified_base
<222> (7)...(7)
<223> I

<221> modified_base
<222> (13)...(13)
<223> I

<221> modified_base
<222> (18)...(18)
<223> I

<400> 29
gtgaatnctg tncgggnc 20

<210> 30
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 30
aaaaaa 6

<210> 31
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 31
ccccc 6

<210> 32
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 32
ctgtca 6

<210> 33
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 33
tcgtag 6

<210> 34
<211> 6

```

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 34	6
tcgtgg	
<210> 35	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 35	6
cgtcgt	
<210> 36	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 36	20
tccatgtcgg tcctgagtct	
<210> 37	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 37	20
tccatgccgg tcctgagtct	
<210> 38	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 38	20
tccatgacgg tcctgagtct	
<210> 39	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 39	20
tccatgacgg tcttgagtct	
<210> 40	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 40	20
tccatgtcga tcttgagtct	
<210> 41	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 41	20
tccatgtcgc tcttgagtct	
<210> 42	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 42	20
tccatgtcgt tcttgagtct	
<210> 43	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 43	20
tccatgacgt tcttgagtct	
<210> 44	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 44	20
tccataacgt tcttgagtct	
<210> 45	
<211> 20	
<212> DNA	

<213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 45
 tccatgacgt cctgagtct 20
 <210> 46
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 46
 tccatcacgt gcctgagtct 20
 <210> 47
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 47
 tccatgctgg tcctgagtct 20
 <210> 48
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <221> modified_base
 <222> (8)...(8)
 <223> m5c
 <223> Synthetic Sequence
 <400> 48
 tccatgtngg tcctgagtct 20
 <210> 49
 <211> 39
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 49
 ccgcttcctc cagatgagct catgggttcc tccaccaag 39
 <210> 50
 <211> 39
 <212> DNA
 <213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 50
cttggtggag aaacccatga gctcatctgg aggaagcgg 39

<210> 51
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 51
ccccaaaggg atgagaagtt 20

<210> 52
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 52
agatagcaaa tcggctgacg 20

<210> 53
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 53
ggttcacgtg ctcatggctg 20

<210> 54
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 54
tctcccagcg tgcgccat 18

<210> 55
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 55
tctcccagcg tgcgccat 18

<210> 56	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 56	
taccgcgtgc gacctct	18
<210> 57	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 57	
ataatccagc ttgaaccaag	20
<210> 58	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 58	
ataatcgacg ttcaagcaag	20
<210> 59	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 59	
tccatgattt tcctgattt	20
<210> 60	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 60	
ttgttttttt gttttttgt tttt	24
<210> 61	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	

<223> Synthetic Sequence	
<400> 61	22
tttttttgt tttttgtt tt	
<210> 62	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 62	24
tgctgctttt gtgcttttgt gott	
<210> 63	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 63	22
tgctgcttgt gcttttgtgc tt	
<210> 64	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 64	23
gcattcatca ggcgggcaag aat	
<210> 65	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 65	23
taccgagctt cgacgagatt tca	
<210> 66	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 66	15
gcatgacgtt gagot	
<210> 67	

<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 67	
cacgttgagg ggcac	15
<210> 68	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 68	
ctgctgagac tggag	15
<210> 69	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 69	
tccatgacgt tctgacgtt	20
<210> 70	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 70	
gcacgagctt gagctga	17
<210> 71	
<211> 12	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 71	
tcagcgtgac cc	12
<210> 72	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 72	
atgacgttcc tgacgtt	17
<210> 73	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 73	
ttttgggggtt ttgggggttt	20
<210> 74	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 74	
tctaggcttt ttaggcttcc	20
<210> 75	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 75	
tgcatTTTT aggccaccat	20
<210> 76	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 76	
tctcccagcg tgcgtgcgcc at	22
<210> 77	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 77	
tctcccagcg ggcgc at	17
<210> 78	
<211> 18	

bioRxiv preprint doi: <https://doi.org/10.1101/000000>; this version posted January 1, 2014. The copyright holder for this preprint (which was not certified by peer review) is the author/funder, who has granted bioRxiv a license to display the preprint in perpetuity. It is made available under aCC-BY-NC-ND 4.0 International license.

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 78	
tctcccagcg agcgccat	18
<210> 79	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 79	
tctcccagcg cgcgccat	18
<210> 80	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 80	
gggggtgacgt tcagggggg	19
<210> 81	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 81	
gggggtccagc gtgcgccatg gggg	24
<210> 82	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 82	
gggggtgtcgt tcagggggg	19
<210> 83	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 83	
tccatgtcgt tctgtcgtt	20
<210> 84	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 84	
tccatagcgt tcttagcgtt	20
<210> 85	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 85	
tcgtcgtgt ctcgcttct t	21
<210> 86	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 86	
gcatgacgtt gagct	15
<210> 87	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 87	
tctcccagcg tgcgccatat	20
<210> 88	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<221> modified_base	
<222> (8)...(8)	
<223> m5c	
<221> modified_base	
<222> (17)...(17)	
<223> m5c	

<223> Synthetic Sequence	
<400> 88	20
tccatgagt tctgaggtt	
<210> 89	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<221> modified base	
<222> (7)...(7)	
<223> m5c	
<223> Synthetic Sequence	
<400> 89	15
gcatgagtt gagct	
<210> 90	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 90	16
tccagcgtgc gccata	
<210> 91	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 91	18
tctccagcg tgcgcat	
<210> 92	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 92	20
tccatgagct tctgagtt	
<210> 93	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

200709121001

<400> 93 gcatgtcgtt gagct	15
<210> 94 <211> 19 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 94 tcctgacgtt cctgacgtt	19
<210> 95 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 95 gcatgatgtt gagct	15
<210> 96 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 96 gcatttcgag gagct	15
<210> 97 <211> 15 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 97 gcatgtagct gagct	15
<210> 98 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 98 tccaggacgt tctagtctt	20
<210> 99 <211> 20 <212> DNA	

<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 99	
tccaggagct tccagttct	20
<210> 100	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 100	
tccaggatgt tccagttct	20
<210> 101	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 101	
tccagtttag gcctagttct	20
<210> 102	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 102	
tccagttcga gcctagttct	20
<210> 103	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 103	
gcattggcgtt gagct	15
<210> 104	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 104	

gcatagcggtt gagct

<210> 105
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 105
gcattgcggtt gagct

15

<210> 106
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 106
gcttgcggttg cgttt

15

<210> 107
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 107
tctcccagcg ttgcgccata t

21

<210> 108
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 108
tctcccagcg tgcggttat

20

<210> 109
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 109
tctccctgog tgcgccatat

20

<210> 110
<211> 20
<212> DNA
<213> Artificial Sequence

tcctgacgtt ccc

<210> 115
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 115
ggaagacgtt aga

13

<210> 116
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 116
tcctgacgtt aga

13

<210> 117
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 117
tcagaccagc tggtcgggtg ttctcta

27

<210> 118
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 118
tcaggaacac cgcaccagct ggtctga

27

<210> 119
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 119
gctagtcgat agc

13

<210> 120
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
 <223> Synthetic Sequence

 <400> 120
 gctagtcgct agc 13

 <210> 121
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 121
 gcttgacgtc tagc 14

 <210> 122
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 122
 gcttgacggt tagc 14

 <210> 123
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 123
 gcttgacgtc aagc 14

 <210> 124
 <211> 14
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 124
 gctagacggt tagc 14

 <210> 125
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 125
 tccatgacat tctgatgct 20

10017035-3101

<210> 126	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 126	
gctagacgtc tagc	14
<210> 127	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 127	
ggctatgtcg ttctagcc	19
<210> 128	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 128	
ggctatgtcg atcctagcc	19
<210> 129	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 129	
ctcatgggtt tctccaccaa g	21
<210> 130	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 130	
cttggtggag aaaccatga g	21
<210> 131	
<211> 20	
<212> DNA	
<213> Artificial Sequence	

<220>
 <223> Synthetic Sequence

 <400> 131
 tccatgacgt tectagtctt 20

 <210> 132
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 132
 ccgcttcctc cagatgagct catg 24

 <210> 133
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 133
 catgagctca tctggaggaa gcgg 24

 <210> 134
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 134
 ccagatgagc tcatgggttt ctcc 24

 <210> 135
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 135
 ggagaaacco atgagctcat ctgg 24

 <210> 136
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 136
 agcatcagga acgacatgga 20

```

<210> 137
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 137
tccatgacgt tctgacgtt                                20

<210> 138
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 138
gcgcgcgcgc gcgcgcgcg                                19

<210> 139
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 139
ccggccggcc ggccggccg                                20

<210> 140
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 140
ttccaatcag cccacccgc tctggccca cctcacct cca        43

<210> 141
<211> 43
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 141
tggaggggtga gggtagggcc agagcgggtg gggctgattg gaa    43

<210> 142
<211> 27
<212> DNA
<213> Artificial Sequence

<220>

```

<223> Synthetic Sequence

<400> 142
tcaaagtgtgg gattttccca tgagtct 27

<210> 143
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 143
agactcatgg gaaaatccca catttga 27

<210> 144
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 144
tgccaagtgc tgagtcacta ataaaga 27

<210> 145
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 145
tctttattag tgactcagca ctggga 27

<210> 146
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 146
tgcaggaagt cgggttttc cccaacccc c 31

<210> 147
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 147
gggggggttg ggaaaaccgc gacttcctgc a 31

<210> 148

1001995-2100

<211> 38
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 148
ggggactttc cgctggggac ttccagggg gactttcc 38

<210> 149
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 149
tccatgacgt tccttccat gacgttctc tccatgacgt tcctc 45

<210> 150
<211> 45
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 150
gaggaacgtc atggagagga acgtcatgga gaggaacgtc atgga 45

<210> 151
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 151
ataatagacg ttcaagcaag 20

<210> 152
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 152
tccatgacgt tcctgacgtt 20

<210> 153
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 153	
tccatgacgt tcctgacgtt	20
<210> 154	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 154	
tccaggactt tcctcaggtt	20
<210> 155	
<211> 45	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 155	
tcttgcatg cttaaaggacg tcacattgca caatcttaat aaggt	45
<210> 156	
<211> 45	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 156	
acottattaa gattgtgcaa tgtgacgtcc ttagcatcg caaga	45
<210> 157	
<211> 28	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 157	
tcctgacgtt cctggcggtc ctgtcgct	28
<210> 158	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 158	
tcctgtcgct cctgtcgct	19
<210> 159	
<211> 15	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 159	
tcctgacgtt gaagt	15
<210> 160	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 160	
tcctgtcgtt gaagt	15
<210> 161	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 161	
tcctggcgtt gaagt	15
<210> 162	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 162	
tcctgccgtt gaagt	15
<210> 163	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 163	
tccttacgtt gaagt	15
<210> 164	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 164	
tcctaacgtt gaagt	15
<210> 165	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 165	
tcctcacgtt gaagt	15
<210> 166	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 166	
tcctgacgat gaagt	15
<210> 167	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 167	
tcctgacgct gaagt	15
<210> 168	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 168	
tcctgacggt gaagt	15
<210> 169	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 169	
tcctgacgta gaagt	15
<210> 170	
<211> 15	
<212> DNA	

<213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 170
 tcctgacgtc gaagt 15
 <210> 171
 <211> 15
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 171
 tcctgacgtg gaagt 15
 <210> 172
 <211> 15
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 172
 tcctgagctt gaagt 15
 <210> 173
 <211> 15
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 173
 gggggacgtt ggggg 15
 <210> 174
 <211> 15
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 174
 tcctgacgtt ccttc 15
 <210> 175
 <211> 22
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 175

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000

tctcccagcg agcgagcgcc at 22

<210> 176
 <211> 32
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 176
 tcctgacggtt cccctggcgg tccctgtcg ct 32

<210> 177
 <211> 28
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 177
 tcctgtcgct cctgtcgctc ctgtcgct 28

<210> 178
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 178
 tcctggcggg gaagt 15

<210> 179
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> modified_base
 <222> {7}...{7}
 <223> m5c

<223> Synthetic Sequence

<400> 179
 tcctgangtt gaagt 15

<210> 180
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>
 <221> modified_base
 <222> {3}...{3}
 <223> m5c

<223> Synthetic Sequence

<400> 180	
tcntgacggtt gaagt	15
<210> 181	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 181	
tcctagcggtt gaagt	15
<210> 182	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 182	
tccagacggtt gaagt	15
<210> 183	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 183	
tcotgacggg gaagt	15
<210> 184	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 184	
tcotggcggt gaagt	15
<210> 185	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 185	
ggctccgggg aggggaatttt tgtctat	27
<210> 186	
<211> 27	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 186	
atagacaaaa attccctccc cggagcc	27
<210> 187	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 187	
tccatgagct tccttgagtc t	21
<210> 188	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 188	
tcgtcgctgt ctccgcttct t	21
<210> 189	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 189	
tcgtcgctgt ctccgcttct t	21
<210> 190	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 190	
tcgagacatt gcacaatcat ctg	23
<210> 191	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 191 cagattgtgc aatgtctcga	20
<210> 192 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 192 tccatgtcgt tctgtatgcg	20
<210> 193 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 193 gcgatgtcgt tctgtatgct	20
<210> 194 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 194 gcgatgtcgt tctgtatgcg	20
<210> 195 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 195 tccatgtcgt tccgcgcgcg	20
<210> 196 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 196 tccatgtcgt tctgtccgct	20
<210> 197 <211> 20 <212> DNA	

<213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 197
 tccatgtcgt tctgtagct 20
 <210> 198
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 198
 gcggcgggcg gcgcgcgcc 20
 <210> 199
 <211> 21
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 199
 atcaggaacg tcatgggaag c 21
 <210> 200
 <211> 20
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 200
 tccatgagct tctgagtct 20
 <210> 201
 <211> 8
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 201
 tcaacgtt 8
 <210> 202
 <211> 8
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 202

tcaagctt

<210> 203
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 203

tcctgtcggt cctgtcgtt

19

<210> 204
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 204

tccatgtcgt tttgtcgtt

20

<210> 205
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 205

tcctgtcggt cctgtcgtt

20

<210> 206
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 206

tcctgtcgt tcctgtcgtt

20

<210> 207
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 207

tccattccat gacgttcctg atgcttcca

29

```

<210> 208
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 208
tcctgtcggtt tttgtcggtt                20

<210> 209
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 209
tcgtcggtgt ctcgcttct t                21

<210> 210
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 210
tcgtcggtgt ctgccttct t                21

<210> 211
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 211
tcgtcggtgt tgcgttcttct t            21

<210> 212
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 212
tcctgtcggtt cctgctgttg gaacgacagg    30

<210> 213
<211> 40
<212> DNA
<213> Artificial Sequence

<220>

```


<223> Synthetic Sequence	
<400> 213	
tctgtctgtt cctgtcgttt caacgtcagg aacgacagga	40
<210> 214	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 214	
ggggctctgtc gttttggggg g	21
<210> 215	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 215	
ggggctctgtg cttttggggg g	21
<210> 216	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 216	
tccggccgtt gaagt	15
<210> 217	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 217	
tccggacggt gaagt	15
<210> 218	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 218	
tccgcggtt gaagt	15
<210> 219	

```

<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 219
tccagacggt gaagt 15

<210> 220
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 220
tcccgcggt gaagt 15

<210> 221
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 221
tccagagctt gaagt 15

<210> 222
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (8)...(8)
<223> m5c

<221> modified_base
<222> (17)...(17)
<223> m5c

<223> Synthetic Sequence

<400> 222
tccatgtngt tcctgtngt 20

<210> 223
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 223
tccatgacgt tcctgacgt 20

```

```

<210> 224
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 224
ggggttgacg ttttggggg          20

<210> 225
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 225
tccaggactt ctctcaggt          20

<210> 226
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 226
tttttttttt ttttttttt          20

<210> 227
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 227
tccatgccgt tcctgccgt          20

<210> 228
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 228
tccatggcgg gcctggcgg          20

<210> 229
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Synthetic Sequence

<400> 229
tccatgacgt tctgcccgtt                20

<210> 230
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 230
tccatgacgt tctggcggg                20

<210> 231
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 231
tccatgacgt tctgcccgtt                20

<210> 232
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 232
tccatgacgg tctgacggt                20

<210> 233
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 233
tccatgcgtg cgtgcgttt                20

<210> 234
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 234
tccatgcgtt gcgttcggtt                20

```

<210> 235	
<211> 30	
<212> DNA	
<213> Artificial Sequence	
<220>	
<221> misc_feature	
<222> (1)...(3)	
<223> Conjugated to biotin moiety.	
<223> Synthetic Sequence	
<400> 235	
tccattccat tctaggcctg agttcttccat	30
<210> 236	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 236	
tccatagcgt tcctagcggt	20
<210> 237	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 237	
tccatgtcgt tcctgtcggt	20
<210> 238	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 238	
tccatagcga tcctagcgat	20
<210> 239	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 239	
tccattgcgt tccttgcggt	20
<210> 240	
<211> 20	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 240	
tccatagcgg tcctagcgg	20
<210> 241	
<211> 29	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 241	
tccatgattt tcctgcagtt cctgatttt	29
<210> 242	
<211> 29	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 242	
tccatgacgt tcctgcagtt cctgacgtt	29
<210> 243	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 243	
ggcggcggcg ggcggcggcg	20
<210> 244	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 244	
tccacgacgt tttcgacgtt	20
<210> 245	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 245	
tcgtcgttgt cgttgtcgtt	20
<210> 246	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 246	
tcgtcgtttt gtcgttttgt cgtt	24
<210> 247	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 247	
tcgtcgttgt cgttttgtog tt	22
<210> 248	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 248	
gcgtgcgttg tcgttgtcgt t	21
<210> 249	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<221> modified_base	
<222> (2)...(2)	
<223> m5c	
<221> modified_base	
<222> (6)...(6)	
<223> m5c	
<221> modified_base	
<222> (10)...(10)	
<223> m5c	
<221> modified_base	
<222> (15)...(15)	
<223> m5c	
<400> 249	

cnqgcnggcn gggcnccgg

```
<210> 250
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 250
g c g g c g g g c g g c g c g c g c c c 20

```
<210> 251
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

```
<221> modified_base
<222> (3)...(3)
<223> I
```

```
<221> modified_base
<222> (8)...(8)
<223> I
```

```
<221> modified_base
<222> (14)...(14)
<223> I
```

<400> 251
agncgccgnga acgnattcac 20

```
<210> 252
<211> 21
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 252
tgatcgtttgt cgtttgtcgt t 21

```
<210> 253
<211> 25
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 253
tggtcgttgtc gttgtcgttg tegt 25

<210>	254
<211>	25
<212>	DNA

<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 254	
tgtagctgtc gttgtgcttg tcgtt	25
<210> 255	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 255	
tcgtcgtcgt cggt	14
<210> 256	
<211> 13	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 256	
tgtcgttgct gtt	13
<210> 257	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 257	
cccccccccc ccccccccc	20
<210> 258	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 258	
tctagcgttt ttagcgttc	20
<210> 259	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 259	

tgcatccccc aggccaccat

<210> 260
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 260
tcgtcgtcgt cgtcgtcgtc gtt 23

<210> 261
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 261
tcgtcgttgt cgttgtcgtt 20

<210> 262
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 262
tcgtcgtttt gtcgttttgt cgtt 24

<210> 263
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 263
tcgtcgttgt cgttttgtcg tt 22

<210> 264
<211> 39
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 264
ggggaggag gaacttctta aaattccccc agaatgttt 39

<210> 265
<211> 39
<212> DNA
<213> Artificial Sequence

10079563100

```

<220>
<223> Synthetic Sequence

<400> 265
aacattctg ggggaatttt aagaagttcc tccctcccc
39

<210> 266
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 266
atgtttactt cttaaaattc ccccagaatg ttt
33

<210> 267
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 267
aacattctg ggggaatttt aagaagtaaa cat
33

<210> 268
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 268
atgtttacta gacaaaattc ccccagaatg ttt
33

<210> 269
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 269
aacattctg ggggaatttt gtctagtaaa cat
33

<210> 270
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 270
aaaattgacg ttttaaaaaa
20

```

<210> 271	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 271	
cccccttgacg ttttcccccc	20
<210> 272	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 272	
ttttcgttgt tttgtcgtt	20
<210> 273	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 273	
tcgctgtttt gtcgttttgt cggt	24
<210> 274	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 274	
ctgcagcctg ggac	14
<210> 275	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 275	
accgcgcgta attatagtaa aaccc	25
<210> 276	
<211> 21	
<212> DNA	
<213> Artificial Sequence	

<220>
 <223> Synthetic Sequence

 <400> 276
 ggtacctgtg gggacattgt g 21

 <210> 277
 <211> 18
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 277
 agcaccgaac gtgagagg 18

 <210> 278
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 278
 tccatgccgt tctgcccgtt 20

 <210> 279
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 279
 tccatgacgg tctgacggt 20

 <210> 280
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 280
 tccatgccgg tctgcccgt 20

 <210> 281
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 281
 tccatgccgg tctgcccgt 20

1004795.121601

```

<210> 282
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 282
ctggtctttc tggtttttt ctgg                24

<210> 283
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 283
tcaggggtgg ggggaacctt                20

<210> 284
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (8)...(8)
<223> m5c

<223> Synthetic Sequence

<400> 284
tccatgagt tcctagttct                20

<210> 285
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 285
tccatgatgt tcctagttct                20

<210> 286
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 286
cccgaagtca ttctctctta acctgg                26

<210> 287
<211> 26

```

<212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 287
 ccaggttaag aggaatgac ttcggg 26

 <210> 288
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> modified_base
 <222> (7)...(7)
 <223> m5c

 <223> Synthetic Sequence

 <400> 288
 tcctgngggg gaagt 15

 <210> 289
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <221> modified_base
 <222> (2)...(2)
 <223> m5c

 <221> modified_base
 <222> (5)...(5)
 <223> m5c

 <221> modified_base
 <222> (9)...(9)
 <223> m5c

 <221> modified_base
 <222> (12)...(12)
 <223> m5c

 <221> modified_base
 <222> (14)...(14)
 <223> m5c

 <221> modified_base
 <222> (16)...(16)
 <223> m5c

 <223> Synthetic Sequence

 <400> 289
 gngnggggng gngnggcccc 20

 <210> 290
 <211> 20

10017995.21601

```

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 290
tccatgtgct tctgatgct 20

<210> 291
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 291
tccatgtcct tctgatgct 20

<210> 292
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 292
tccatgtcgt tcttagttct 20

<210> 293
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 293
tccaagtagt tcttagttct 20

<210> 294
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 294
tccatgtagt tcttagttct 20

<210> 295
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

```

100705-2100

<400> 295	
tcctgcgcggt tcctgcgcggt	20
<210> 296	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 296	
tcctggcggt cctggcggt	20
<210> 297	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 297	
tcctggaggg gaagt	15
<210> 298	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 298	
tcctgggggg gaagt	15
<210> 299	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 299	
tcctggtggg gaagt	15
<210> 300	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 300	
tcgtcgtttt gtcgttttgt cggt	24
<210> 301	
<211> 24	
<212> DNA	

```

<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 301
ctggtatttc tggtttttt ctgg                                24

<210> 302
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 302
tccatgacgt tctgacgtt                                20

<210> 303
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 303
tccaggactt ctctcaggtt                                20

<210> 304
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<221> modified_base
<222> (2)...(2)
<223> m5c

<221> modified_base
<222> (5)...(5)
<223> m5c

<221> modified_base
<222> (13)...(13)
<223> m5c

<221> modified_base
<222> (21)...(21)
<223> m5c

<400> 304
tngtngtttt gtngtttgt ngtt                                24

<210> 305
<211> 29
<212> DNA
<213> Artificial Sequence

```

```

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 305
tcgtcgtttt gtcgttttgt cgtttttttt      29

<210> 306
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 306
gctatgacgt tccaaggg      18

<210> 307
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 307
tcaacgtt      8

<210> 308
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 308
tccaggactt tcctcaggtt      20

<210> 309
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 309
ctctctgtag gccgcgttgg      20

<210> 310
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

```

```

<223> Synthetic Sequence

<400> 310
ctttccgttg gacccctggg                20

<210> 311
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 311
gtccggggcca ggccaaagtc                20

<210> 312
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 312
gtgcgcgcga gcccgaaatc                20

<210> 313
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified base
<222> (8)...(8)
<223> I

<221> modified base
<222> (17)...(17)
<223> I

<223> Synthetic Sequence

<400> 313
tccatgangt tctctgangtt                20

<210> 314
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 314
aatagtcgcc ataacaaaaac                20

<210> 315
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Synthetic Sequence

<400> 315
aatagtcgcc atggcggggc 20

<210> 316
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_difference
<222> (1)...(3)
<223> Biotin moiety attached at 5' end of sequence.

<223> Synthetic Sequence

<400> 316
tttttccatg tcgttcctga tgcttttt 28

<210> 317
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 317
tcctgtcggt gaagtttttt 20

<210> 318
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 318
gcctagcttta gagctttaga gctt 24

<210> 319
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 319
tgctgcttcc ccccccccc 20

<210> 320
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

```

<223> Synthetic Sequence

<400> 320
tcgacgtttcc cccccccccc 20

<210> 321
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 321
tcgtcgtttcc cccccccccc 20

<210> 322
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 322
tcgtcgtttcc cccccccccc 20

<210> 323
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 323
tcgccgtttcc cccccccccc 20

<210> 324
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 324
tcgtcgatcc cccccccccc 20

<210> 325
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 325
tcctgacgtt gaagt 15

<210> 326

10079352101

<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 326	
tcctgcccgtt gaagt	15
<210> 327	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 327	
tcctgacggt gaagt	15
<210> 328	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 328	
tcctgagctt gaagt	15
<210> 329	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 329	
tcctggcggg gaagt	15
<210> 330	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 330	
aaaatctgtg cttttaaaaa a	21
<210> 331	
<211> 33	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 331
gatccagtc cagtgcctg gcagaatctg gat 33

<210> 332
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 332
gatccagatt ctgccagtc actgtgactg gat 33

<210> 333
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 333
gatccagtc cagtgactc gcagaatctg gat 33

<210> 334
<211> 33
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 334
gatccagatt ctgctgagtc actgtgactg gat 33

<210> 335
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (16)...(16)
<223> m5c

<223> Synthetic Sequence

<400> 335
tcgtcgttcc ccccccccc 20

<210> 336
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (2)...(2)
<223> m5c

<221> modified_base

<222> (5)...(5)

<223> m5c

<223> Synthetic Sequence

<400> 336

tngtngttcc ccccccccc

20

<210> 337

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (2)...(2)

<223> m5c

<223> Synthetic Sequence

<400> 337

tngtngttcc ccccccccc

20

<210> 338

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> modified_base

<222> (5)...(5)

<223> m5c

<223> Synthetic Sequence

<400> 338

tcgtngttcc ccccccccc

20

<210> 339

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 339

tcgtcggtcc ccccccccc

20

<210> 340

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 340

tcgtcggtcc ccccccccc

20

<210> 341	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 341	
tcggcggttc ccccccccc	20
<210> 342	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 342	
ggccttttc ccccccccc	20
<210> 343	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 343	
tcgtcgttt gacgtttgt cgtt	24
<210> 344	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 344	
tcgtcgttt gacgttttga cgtt	24
<210> 345	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 345	
ccgtcgtttc ccccccccc	20
<210> 346	
<211> 20	
<212> DNA	
<213> Artificial Sequence	

<223> Synthetic Sequence

<400> 346

 $\langle 211 \rangle$ 2

<213> Artificial Sequence

<223> Synthetic Sequence

<400> 347

 $\langle 211 \rangle$ 2

<213> Artificial Sequence

<223> Synthetic Sequence

<400> 348

<211> 2

<213> Artificial Sequence

<223> Synthetic Sequence

<400> 349

 $\langle 211 \rangle$:

<213> Artificial Sequence

<221> misc feature

<223> Biotin moiety attached at 5' end of sequence.

<223> Synthetic Sequence

<400> 350

<211>

<213> Artificial Sequence

<221> misc feature


```

<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 356
tcctgaaaag gaagt 15

<210> 357
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 357
tcgtcggttc cccccc 17

<210> 358
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<221> modified_base
<222> (2)...(2)
<223> m5c

<221> modified_base
<222> (5)...(5)
<223> m5c

<221> modified_base
<222> (13)...(13)
<223> m5c

<221> modified_base
<222> (21)...(21)
<223> m5c

<400> 358
tngtngtttt gtngtngttgt ngtt 24

<210> 359
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 359
ggggtcaagc ttgagggggg 20

<210> 360
<211> 20

```

1001995-21001

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 360	
tgctgcttc ccccccccc	20
<210> 361	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 361	
tcgtcgtcgt cgtt	14
<210> 362	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 362	
tcgtcgtcgt cgtt	14
<210> 363	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 363	
tcgtcgtcgt cgtt	14
<210> 364	
<211> 10	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 364	
tcaacgttga	10
<210> 365	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 365	
tcaacggt	8
<210> 366	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 366	
atagttttcc atttttttac	20
<210> 367	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 367	
aatagtcgcc atcgcgcgac	20
<210> 368	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 368	
aatagtcgcc atcccgggac	20
<210> 369	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 369	
aatagtcgcc atcccccccc	20
<210> 370	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 370	
tgctgctttt gtgcttttgt gott	24
<210> 371	
<211> 24	
<212> DNA	

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 371

ctgtgctttc tgtgtttttc tgtg

24

<210> 372

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 372

ctaattctttc taattttttt ctaa

24

<210> 373

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 373

tcgtcgttgg tgcgttggt gtcggt

26

<210> 374

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 374

tcgtcgttgg ttgtcgtttt gggt

24

<210> 375

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 375

accatggagc agctgtttcc cctc

24

<210> 376

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 376

1007995-21001

tcgtcgtttt gcgtgcgttt

```
<210> 377
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 377
ctgtaagtga gcttggagag 20

```
<210> 378
<211> 18
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 378
qagaacgctg gaccttcc 18

```
<210> 379
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 379
cgggcgactc agtctatcgg 20

```
<210> 380
<211> 37
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 380
gtttctcagat aaagcgaac cagcaacaga cacagaa 37

```
<210> 381
<211> 37
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

<400> 381
ttctgtgtct gttgctggtt ccgctttatc tgagaac 37

```
<210> 382
<211> 23
<212> DNA
<213> Artificial Sequence
```

```

<220>
<223> Synthetic Sequence

<400> 382
cagacacaga agcccgatag acg
23

<210> 383
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 383
agacagacac gaaacgaccg
20

<210> 384
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 384
gtctgtccca tgatctcgaa
20

<210> 385
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 385
gctggccagc ttacctccg
20

<210> 386
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 386
ggggcctcta tacaacctgg g
21

<210> 387
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 387
ggggtcctg agactgcc
18

```

1007365234

<210> 388
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 388
 gagaacgctg gaccttccat 20

 <210> 389
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 389
 tccatgtcgg tcctgatgct 20

 <210> 390
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 390
 ctcttgcgac ctggaaggta 20

 <210> 391
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 391
 aggtacagcc aggactacga 20

 <210> 392
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 392
 accatggacg acctgtttcc cctc 24

 <210> 393
 <211> 24
 <212> DNA
 <213> Artificial Sequence

1007995-121001

```

<220>
<223> Synthetic Sequence

<400> 393
accatggatt acctttttcc ctt                24

<210> 394
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 394
atggaaggtc cagcgttctc                    20

<210> 395
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 395
agcatcagga cgcacatgga                    20

<210> 396
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 396
ctctccaagc tcacttacag                    20

<210> 397
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 397
tccttgagac tgccccacct t                  21

<210> 398
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 398
gccacaaaaa cttgtccatg                    20

```

<210> 399	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 399	
gtccatggcg tgcgggatga	20
<210> 400	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 400	
cctctataca acctgggac	19
<210> 401	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 401	
cgggcgactc agtctatcgg	20
<210> 402	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 402	
gcgctaccgg tagcctgagt	20
<210> 403	
<211> 35	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 403	
cgactgccga acaggatatc ggtgatcagc actgg	35
<210> 404	
<211> 35	
<212> DNA	
<213> Artificial Sequence	
<220>	

<400> 404	35
ccaggtgctga tcaccgatat cctgttcggc agtcg	
<210> 405	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 405	17
ccaggttgta tagaggc	
<210> 406	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 406	18
tctcccagcg tacgccat	
<210> 407	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 407	18
tctcccagcg tgcgtttt	
<210> 408	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 408	18
tctcccagcg tgcgccat	
<210> 409	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 409	18
tctcccgtcg tgcgccat	
<210> 410	

```

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 410
ataatcgtcg ttcaagcaag                                20

<210> 411
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 411
tcgtcgtttt gtcgttttgt cgt                                23

<210> 412
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 412
tcgtcgtttt gtcgttttgt cggt                                24

<210> 413
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 413
tcgtcgtttt gtcgttttgt cggt                                24

<210> 414
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_difference
<222> (3)...(3)
<223> n is a or c or g or t/u

<221> misc_difference
<222> (8)...(8)
<223> n is a or c or g or t/u

<221> misc_difference
<222> (11)...(11)
<223> n is a or c or g or t/u

```

1007995-121001

<221> misc_difference
 <222> (16)...(16)
 <223> n is a or c or g or t/u

 <221> misc_difference
 <222> (19)...(19)
 <223> n is a or c or g or t/u

 <221> misc_difference
 <222> (24)...(24)
 <223> n is a or c or g or t/u

 <223> Synthetic Sequence

 <400> 414
 tcntcgtntt ntcgtnttnt cgtn 24

 <210> 415
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 415
 tctcccagcg tcgccat 17

 <210> 416
 <211> 17
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 416
 tctcccatcg tcgccat 17

 <210> 417
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 417
 ataatcgtgc gttcaagaaa g 21

 <210> 418
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 418
 ataatcgacg ttccccccc 20

0007957001

<220>
<223> Synthetic Sequence

<400> 419

<220>
<223> Synthetic Sequence

<400> 420

<220>
<223> Synthetic Sequence

<400> 421

<220>
<223> Synthetic Sequence

<400> 422

<220>
<223> Synthetic Sequence

<400> 423

 $\langle 220 \rangle$

<210> 430

<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 430
tcgtcgtttt ttgtcgtttt ttgtcgtt 28

<210> 431
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 431
tcgtcgtttt tttttttttt 20

<210> 432
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 432
tttttcaacg ttgatttttt 20

<210> 433
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 433
tttttttttt tttttttttt tttt 24

<210> 434
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 434
ggggtcgtcg ttttgggggg 20

<210> 435
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

100709523001

<400> 435	24
tcgtcgtttt gtcgttttgg gggg	
<210> 436	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 436	27
tcgtcgtgt ctcggttct tcttgcc	
<210> 437	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 437	15
tcgtcgtgt ctcg	
<210> 438	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 438	20
ctgtaagtga gcttgagag	
<210> 439	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 439	20
gagaacgctg gaccttcac	
<210> 440	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 440	17
ccaggttgta tagaggc	
<210> 441	
<211> 17	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 441	17
gctagacgtt agcgtga	
<210> 442	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 442	20
ggagctcttc gaacgccata	
<210> 443	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 443	20
tctccatgat ggttttatcg	
<210> 444	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 444	21
aaggtggggc agtctcaggg a	
<210> 445	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 445	20
atcggaggac tggcgcgcgcg	
<210> 446	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 446	20
ttaggacaag gtctagggtg	
<210> 447	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 447	20
accacaacga gaggaacgca	
<210> 448	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 448	20
ggcagtgag gctcaccggg	
<210> 449	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 449	17
gaaccttcca tgctgtt	
<210> 450	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 450	17
gctagacgtt agcgtga	
<210> 451	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 451	20
gcttgaggg cctgtaagtg	
<210> 452	
<211> 12	
<212> DNA	

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 452

gtagccttcc ta

12

<210> 453

<211> 14

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 453

cggtagcctt ccta

14

<210> 454

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 454

cacggtagcc ttctta

16

<210> 455

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 455

agcacggtag ccttccta

18

<210> 456

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 456

gaacgctgga ccttcctat

18

<210> 457

<211> 10

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 457

gaccttccat

<210> 458
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 458

tggaaccttc at

12

<210> 459
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 459

gctggacctt ccat

14

<210> 460
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 460

acgctggacc ttccat

16

<210> 461
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 461

taagctctgt caacgccagg

20

<210> 462
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 462

gagaacgctg gaccttccat gt

22

<210> 463
<211> 20
<212> DNA
<213> Artificial Sequence

<210> 469
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 469
 gaaccttcca tgctgttccg 20

<210> 470
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 470
 caatcaatct gaggagacc 20

<210> 471
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 471
 tcagctctgg tactttttca 20

<210> 472
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 472
 tggttacggt ctgtcccatg 20

<210> 473
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 473
 gtctatcgga ggactggcgc 20

<210> 474
 <211> 20
 <212> DNA
 <213> Artificial Sequence

10073352001

<220>
 <223> Synthetic Sequence

 <400> 474
 cattttacgg gcgggcgggc 20

 <210> 475
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 475
 gaggggacca ttttacgggc 20

 <210> 476
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 476
 tgtccagcgg aggggacccat 20

 <210> 477
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 477
 cgggcttacg gcggatgctg 20

 <210> 478
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 478
 tggaccttct atgtcggtcc 20

 <210> 479
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 479
 tgtcccatgt ttttagaagc 20

```

<210> 480
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 480
gtggttacgg tcgtgcccat
20

<210> 481
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 481
cctccaaatg aaagaccccc
20

<210> 482
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 482
ttgtactctc catgatggtt
20

<210> 483
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 483
ttccatgctg ttccggctgg
20

<210> 484
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 484
gacctctat gtcggtcctg
20

<210> 485
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

```

<223> Synthetic Sequence

<400> 485
gagaccgctc gaccttcgat 20

<210> 486

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 486
ttgcccata ttttagaac 20

<210> 487

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 487
ttgaaactga ggtgggac 18

<210> 488

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 488
ctatcgagg actggcgcgc c 21

<210> 489

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 489
cttgaggggc ctccggcg 20

<210> 490

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 490
gctgaacctt ccatgctgtt 20

<210> 491

<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 491
tagaaacagc attcttcttt tagggcagca ca 32

<210> 492
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 492
agatggttct cagataaagc ggaa 24

<210> 493
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 493
ttcgcgttta tctgagaacc atct 24

<210> 494
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 494
gtcccaggtt gtatagaggc tgc 23

<210> 495
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 495
gcgccagtcc tccgatagac 20

<210> 496
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 496
 atcggaggac tggcgcgccg 20

 <210> 497
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 497
 ggtctgtccc atatttttag 20

 <210> 498
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 498
 tttttcaacg ttgagggggg 20

 <210> 499
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 499
 tttttcaacg gttgattttt t 21

 <210> 500
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 500
 ggggtcaacg ttgatttttt 20

 <210> 501
 <211> 25
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 501
 ggggttttca acgttttgag ggggg 25

 <210> 502
 <211> 20

```

    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 502
ggttacggtc tgtcccatat 20

    <210> 503
    <211> 20
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 503
ctgtcccata ttttagaca 20

    <210> 504
    <211> 20
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 504
accatcctga ggccattcgg 20

    <210> 505
    <211> 23
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 505
cgttatcgg gctctgtgt ctg 23

    <210> 506
    <211> 21
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 506
ggccatcca cattgaaagt t 21

    <210> 507
    <211> 22
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

```


<400> 507
 ccaaatatcg gtggtcaagc ac 22

 <210> 508
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 508
 gtgcttgacc accgatattt gg 22

 <210> 509
 <211> 26
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 509
 gtgctgatca cegatatacct gttcgg 26

 <210> 510
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 510
 ggccaacttt caatgtggga tggcctc 27

 <210> 511
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 511
 ttccgcgaa tggcctcagg atggtac 27

 <210> 512
 <211> 36
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 512
 tatagtcct gagactgcc cacottctca acaacc 36

 <210> 513
 <211> 27
 <212> DNA

<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 513	27
gcagcctcta tacaacctgg gacggga	
<210> 514	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 514	22
ctatcggagg actggcgcgc cg	
<210> 515	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 515	21
tatcggagga ctggcgcgcc g	
<210> 516	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 516	21
gatcggagga ctggcgcgcc g	
<210> 517	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 517	26
ccgaacagga tatcggtgat cagcac	
<210> 518	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 518	

ttttggggtc aacgttgagg gggg

<210> 519
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 519
gggggtcaacg ttgagggggg 20

<210> 520
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 520
cgcgcgcgcg cgcgcgcgcg 20

<210> 521
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 521
ggggcatgac gttcgggggg 20

<210> 522
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 522
ggggcatgac gttcaaaaaa 20

<210> 523
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 523
ggggcatgag cttcgggggg 20

<210> 524
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 524
ggggcatgac gttcggggg 20

<210> 525
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 525
aaaacatgac gttcaaaaaa 20

<210> 526
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 526
aaaacatgac gttcggggg 20

<210> 527
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 527
ggggcatgac gttcaaaaaa 20

<210> 528
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 528
accatggacg atctgtttcc cctc 24

<210> 529
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 529
gccatggacg aactgtttcc cctc 24

```

<210> 530
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 530
ccccccccc ccccccccc 20

<210> 531
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 531
ggggggggg ggggggggg 20

<210> 532
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 532
gctgtaaaat gaatcgccg 20

<210> 533
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 533
ttcgggcgga ctccctcatt 20

<210> 534
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 534
tatgccgcgc ccggacttat 20

<210> 535
<211> 20
<212> DNA
<213> Artificial Sequence

```

<220>	
<223> Synthetic Sequence	
<400> 535	20
ggggtaatcg atcagggggg	
<210> 536	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 536	20
tttgagaacg ctggaccttc	
<210> 537	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 537	20
gatcgctgat ctaatgctcg	
<210> 538	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 538	20
gtcgtctctg atgctgttcc	
<210> 539	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 539	20
tgcgtctcag ttccgtgtcg	
<210> 540	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 540	18
ctggaccttc catgtcgg	

<210> 541	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 541	
gctcgttcag cgcgtct	17
<210> 542	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 542	
ctggaccttc catgtc	16
<210> 543	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 543	
cactgtcctt cgtcga	16
<210> 544	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 544	
cgctggacct tccatgtcgg	20
<210> 545	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 545	
gctgagctca tgccgtctgc	20
<210> 546	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	

<223> Synthetic Sequence

<400> 546
aacgctggac cttccatgtc 20

<210> 547
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 547
tgcctgccgt acacagctct 20

<210> 548
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 548
ccttccatgt cggctctgat 20

<210> 549
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 549
tactcttcgg atcccttgcg 20

<210> 550
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 550
ttccatgtcg gtcctgat 18

<210> 551
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 551
ctgattgctc tctcgtga 18

<210> 552

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 552
ggcgttattc ctgactcgcc 20

<210> 553
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 553
cctacgttgt atgcgcccag ct 22

<210> 554
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 554
ggggtaatcg atgagggggg 20

<210> 555
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 555
ttcgggcgga ctctccatt 20

<210> 556
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 556
tttttttttt tttttttttt 20

<210> 557
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 557	
gggggttttt ttttggggg	20
<210> 558	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 558	
tttttggggg ggggttttt	20
<210> 559	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 559	
gggggggggg ggggggggt	19
<210> 560	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 560	
aaaaaaaaaa aaaaaaaaaa	20
<210> 561	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 561	
cccccaaaaa aaaaaccccc	20
<210> 562	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 562	
aaaaaccccc cccccaaaaa	20
<210> 563	
<211> 27	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 563	
tttgaattca ggactggtga ggttgag	27
<210> 564	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 564	
tttgaatcct cagcggctctc cagtggc	27
<210> 565	
<211> 45	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 565	
aattctctat cggggcttct gtgtctgttg ctggttccgc ttat	45
<210> 566	
<211> 45	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 566	
ctagataaag cggaaccagc aacagacaca gaagccccga tagag	45
<210> 567	
<211> 28	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 567	
ttttctagag aggtgcacaa tgctctgg	28
<210> 568	
<211> 29	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 568	
tttgaattcc gtgtacagaa gcgagaagc	29
<210> 569	
<211> 31	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 569	
tttgcgccg ctagacttaa cctgagagat a	31
<210> 570	
<211> 29	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 570	
tttgggccca cgagagacag agacacttc	29
<210> 571	
<211> 29	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 571	
tttgggccg cttctcgctt ctgtacacg	29
<210> 572	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 572	
gagaacgctg gaccttccat	20
<210> 573	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 573	
tccatgtcgg tcctgatgct	20
<210> 574	
<211> 6	
<212> DNA	

<213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 574
 ctgtcg 6
 <210> 575
 <211> 6
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 575
 tcgtga 6
 <210> 576
 <211> 6
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 576
 cgtcga 6
 <210> 577
 <211> 6
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 577
 agtgct 6
 <210> 578
 <211> 6
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 578
 ctgtcg 6
 <210> 579
 <211> 6
 <212> DNA
 <213> Artificial Sequence
 <220>
 <223> Synthetic Sequence
 <400> 579

10017935.121801

agtgct

<210> 580
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 580

cgtcga

6

<210> 581
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 581

tcgtga

6

<210> 582
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 582

gagaacgctc cagcttcgat

20

<210> 583
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 583

gctagacgta agcgtga

17

<210> 584
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 584

gagaacgcto gaccttcacat

20

<210> 585
<211> 21
<212> DNA
<213> Artificial Sequence

```

<220>
<223> Synthetic Sequence

<400> 585
gagaacgctg gacctatcca t 21

<210> 586
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 586
gctagaggtt agcgtga 17

<210> 587
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 587
gagaacgctg gacttccat 19

<210> 588
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 588
tcacgctaac gtctagc 17

<210> 589
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 589
gctagacgtt agcgtga 17

<210> 590
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

```

```

<223> Synthetic Sequence

<400> 590
atggaaggtc gacggttctc 20

<210> 591
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 591
gagaacgctg gaccttcgat 20

<210> 592
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 592
gagaacgatg gaccttcgat 20

<210> 593
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 593
gagaacgctg gatccat 17

<210> 594
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 594
gagaacgctc cagcactgat 20

<210> 595
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 595
tccatgtcgg tcctgctgat 20

<210> 596

```



```

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 596
atgtcctcgg tctctgatgct 20

<210> 597
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 597
gagaacgctc caccttccat 20

<210> 598
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 598
gagaacgctg gaccttcgta 20

<210> 599
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 599
atggaaggctc cagcgttctc 20

<210> 600
<211> 6
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 600
tctctga 6

<210> 601
<211> 8
<212> DNA

```

<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 601	8
tcaacgtt	
<210> 602	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 602	6
aacgtt	
<210> 603	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 603	8
aacgttga	
<210> 604	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 604	17
tcacgctaac ctctagc	
<210> 605	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 605	20
gagaacgctg gaccttgc	
<210> 606	
<211> 14	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 606	

100795121001

```

gctggacctt coac
    <210> 607
    <211> 22
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 607
gagaacgctg gacctoatcc at
22

    <210> 608
    <211> 23
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 608
gagaacgctg gacgctcatc cat
23

    <210> 609
    <211> 15
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 609
aacgttgagg ggcac
15

    <210> 610
    <211> 15
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 610
atgcccctca acgtt
15

    <210> 611
    <211> 10
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 611
tcaacgttga
10

    <210> 612
    <211> 14
    <212> DNA
    <213> Artificial Sequence

```

<220>		
<223> Synthetic Sequence		
<400> 612		
gctggacctt ccat		14
<210> 613		
<211> 7		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 613		
caacggt		7
<210> 614		
<211> 10		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 614		
acaacgttga		10
<210> 615		
<211> 6		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 615		
tcacgt		6
<210> 616		
<211> 8		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 616		
tcaagctt		8
<210> 617		
<211> 6		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 617		
tcgtca		6

<210> 618
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 618
aggatatc 8

<210> 619
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 619
tagacgtc 8

<210> 620
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 620
gacgtcat 8

<210> 621
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 621
ccatcgat 8

<210> 622
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 622
atcgatgt 8

<210> 623
<211> 8
<212> DNA
<213> Artificial Sequence

```

<220>
<223> Synthetic Sequence

<400> 623
atgcatgt 8

<210> 624
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 624
ccatgcat 8

<210> 625
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 625
agcgcgtga 8

<210> 626
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 626
tcagcgcgt 8

<210> 627
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 627
cattcgat 8

<210> 628
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 628
gtgccgggggt ctccggggc 18

```

```

<210> 629
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 629
gctgtggggc ggctcctg 18

<210> 630
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 630
tcaacggt 8

<210> 631
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to FITC moiety.

<223> Synthetic Sequence

<400> 631
tcaacggt 8

<210> 632
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to FITC moiety.

<223> Synthetic Sequence

<400> 632
aacgttga 8

<210> 633
<211> 7
<212> DNA
<213> Artificial Sequence

```

<220>		
<223>	Synthetic Sequence	
<400>	633	
tcaacgt		7
<210>	634	
<211>	7	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	634	
aacgttg		7
<210>	635	
<211>	6	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	635	
cgacga		6
<210>	636	
<211>	8	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	636	
tcaacgtt		8
<210>	637	
<211>	5	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	637	
tcgga		5
<210>	638	
<211>	8	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	638	
agaacgtt		8

<210> 639	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 639	
tcacgcgat	8
<210> 640	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 640	
taaacggtt	8
<210> 641	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 641	
ccaacggtt	8
<210> 642	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 642	
gctcga	6
<210> 643	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 643	
cgacgt	6
<210> 644	
<211> 6	
<212> DNA	
<213> Artificial Sequence	
<220>	

	<223> Synthetic Sequence	
	<400> 644	6
cgctcgt		
	<210> 645	
	<211> 6	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Synthetic Sequence	
	<400> 645	6
acgtgt		
	<210> 646	
	<211> 6	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Synthetic Sequence	
	<400> 646	6
cgttcg		
	<210> 647	
	<211> 20	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Synthetic Sequence	
	<400> 647	20
gagcaagctg gaccttccat		
	<210> 648	
	<211> 6	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Synthetic Sequence	
	<400> 648	6
cgcgta		
	<210> 649	
	<211> 6	
	<212> DNA	
	<213> Artificial Sequence	
	<220>	
	<223> Synthetic Sequence	
	<400> 649	6
cgtacg		
	<210> 650	

<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 650	
tcaccggt	8
<210> 651	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 651	
caagagatgc taacaatgca	20
<210> 652	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 652	
acccatcaat agctctgtgc	20
<210> 653	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 653	
ccatcgat	8
<210> 654	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 654	
tcgacgtc	8
<210> 655	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 655	
ctagcgct	8
<210> 656	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 656	
taagcgct	8
<210> 657	
<211> 13	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 657	
tcgcgaattc gcg	13
<210> 658	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 658	
atggaaggtc cagcgttct	19
<210> 659	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 659	
actggacgtt agcgtga	17
<210> 660	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 660	
cgctctggggc tggctctga	18
<210> 661	
<211> 18	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 661	
gtgtcggggt ctccgggc	18
<210> 662	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 662	
gtgccggggt ctccgggc	18
<210> 663	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 663	
cgccgtgcg gcggttg	18
<210> 664	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 664	
gaagttcacg ttgagggca t	21
<210> 665	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 665	
atctggtgag ggcaagctat g	21
<210> 666	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 666
gttgaaaccc gagaacatca t 21

<210> 667
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 667
gcaacggt 8

<210> 668
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 668
gtaacggt 8

<210> 669
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 669
cgaacggt 8

<210> 670
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 670
gaaacggt 8

<210> 671
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 671
caaacggt 8

<210> 672
<211> 8
<212> DNA

aaaacgtt

<210> 678
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 678

ataacgtt

8

<210> 679
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 679

aacgttct

8

<210> 680
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 680

tccgatcg

8

<210> 681
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 681

tccgtacg

8

<210> 682
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 682

gctagacgct agcgtga

17

<210> 683
<211> 25
<212> DNA
<213> Artificial Sequence


```

<220>
<223> Synthetic Sequence

<400> 683
gagaacgctg gacctcatca tccat      25

<210> 684
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 684
gagaacgcta gaccttctat      20

<210> 685
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 685
actagacggt agtgtga      17

<210> 686
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 686
cacaccttgg tcaatgtcac gt      22

<210> 687
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 687
tctccatcct atggttttat cg      22

<210> 688
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 688
cgctggacct tccat      15

```

```

<210> 689
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 689
caccaccttg gtcaatgtca cgt                23

<210> 690
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 690
gctagacggt agctgga                17

<210> 691
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 691
agtgcgattg cagatcg                17

<210> 692
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 692
ttttcgttt gtggtttgt ggtt                24

<210> 693
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 693
ttttcgttt tcgttttgc gtt                23

<210> 694
<211> 24
<212> DNA
<213> Artificial Sequence

```

```

<220>
<223> Synthetic Sequence

<400> 694
tttttgtttt gtggttttgt gggt                24

<210> 695
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 695
accgcacatgga ttctaggcca                20

<210> 696
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 696
gctagacggt agcgt                        15

<210> 697
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 697
aacgctggac cttccat                        17

<210> 698
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (5)...(5)
<223> m5c

<223> Synthetic Sequence

<400> 698
tcaangtt                                8

<210> 699
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

```

<400> 699	
ccttcgat	8
<210> 700	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 700	
actagacggtt agtgtga	17
<210> 701	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 701	
gctagaggtt agcgtga	17
<210> 702	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 702	
atggactctc cagcgttctc	20
<210> 703	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 703	
atcgactctc gagcgttctc	20
<210> 704	
<211> 13	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 704	
gctagacggtt agc	13
<210> 705	
<211> 9	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 705	
gctagacgt	9
<210> 706	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 706	
agtgcgattc gagatcg	17
<210> 707	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<221> modified_base	
<222> (5)...(5)	
<223> m5c	
<223> Synthetic Sequence	
<400> 707	
tcagngct	8
<210> 708	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 708	
ctgattgctc tctcgtga	18
<210> 709	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<221> modified_base	
<222> (2)...(2)	
<223> m5c	
<223> Synthetic Sequence	
<400> 709	
tnaacggt	8

```

<210> 710
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> {6}...(6)
<223> m5c

<223> Synthetic Sequence

<400> 710
gagaangctg gaccttccat                                20

<210> 711
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 711
gctagacggtt aggctga                                  17

<210> 712
<211> 14
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 712
gctacttagc gtga                                      14

<210> 713
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 713
gctaccttag cgtga                                    15

<210> 714
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 714
atcgacttcg agcgttctc                                19

<210> 715
<211> 20

```

```

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 715
atgcactctg cagcgttctc 20

<210> 716
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 716
agtgactctc cagcgttctc 20

<210> 717
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 717
gccagatggt agctgga 17

<210> 718
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 718
atcgactcga gcgttctc 18

<210> 719
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 719
atcgatcgag cgttctc 17

<210> 720
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)

```

<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 720
gagaacgctc gaccttcgat 20

<210> 721
<211> 17
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 721
gctagacgtt agctgga 17

<210> 722
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 722
atcgactctc ggcgttctc 20

<210> 723
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 723
tagacgttag cgtga 15

<210> 724
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 724
cgactctcga gcgttctc 18

<210> 725
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 725
ggggtcgacc ttggaggggg g 21


```

<210> 726
<211> 16
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 726
gctaacgtta gcgtga 16

<210> 727
<211> 9
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 727
cgctcgctgt 9

<210> 728
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (14)...(14)
<223> m5c

<223> Synthetic Sequence

<400> 728
gagaacgctg gacnttccat 20

<210> 729
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (18)...(18)
<223> m5c

<223> Synthetic Sequence

<400> 729
atcgacctac gtgcgtntc 20

<210> 730
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (3)...(3)

```

```

<223> m5c

<223> Synthetic Sequence

<400> 730
atngacctac gtgcgttctc 20

<210> 731
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (7)...(7)
<223> m5c

<223> Synthetic Sequence

<400> 731
gctagangtt agcgt 15

<210> 732
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (14)...(14)
<223> m5c

<223> Synthetic Sequence

<400> 732
atcgactctc gagngttctc 20

<210> 733
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 733
ggggtaatgc atcagggggg 20

<210> 734
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 734
ggctgtattc ctgactgccc 20

<210> 735
<211> 17

```

20070901 14:55:55

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 735	
ccatgctaac ctctagc	17
<210> 736	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 736	
gctagatggtt agcgtga	17
<210> 737	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 737	
cgtaccttac ggtga	15
<210> 738	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 738	
tccatgctgg tctgatgct	20
<210> 739	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 739	
atcgactctc tcgacggttc tc	22
<210> 740	
<211> 17	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 740 gctagagctt agcgtga	17
<210> 741 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 741 atcgactctc gagtgtctc	20
<210> 742 <211> 17 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 742 aacgctcgac cttcgat	17
<210> 743 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 743 ctcaacgctg gaccttccat	20
<210> 744 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 744 atcgacctac gtgcgttctc	20
<210> 745 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 745 gagaatgctg gaccttccat	20
<210> 746 <211> 17 <212> DNA	

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 746

tcacgctaac ctctgac

17

<210> 747

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<222> (1)...(3)

<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 747

gagaacgctc cagcactgat

20

<210> 748

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<221> misc_feature

<222> (1)...(3)

<223> Biotin moiety attached at 5' end of sequence.

<223> Synthetic Sequence

<400> 748

gagcaagctg gaccttccat

20

<210> 749

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 749

cgctagaggt tagcgtga

18

<210> 750

<211> 15

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 750

gctagatgtt aacgt

15

<210> 751

TOGETHER

<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 751
atggaaggtc cacgttctc 19

<210> 752
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 752
gctagatggt agcgt 15

<210> 753
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 753
gctagacgtt agtgt 15

<210> 754
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 754
tccatgacgg tccatgatct 20

<210> 755
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 755
tccatggcgg tccatgatct 20

<210> 756
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

19

15

```
<220>
<221> modified_base
<222> (8)...(8)
<223> m5c

<223> Synthetic Sequence
```

```
<210> 763
<211> 20
<212> DNA
<213> Artificial Sequence
```

```
<220>
<221> modified base
<222> (12)...(12)
<223> m5c

<223> Synthetic Sequence
```

```
<210> 764
<211> 20
<212> DNA
<213> Artificial Sequence
```

<220>
<223> Synthetic Sequence

```
<221> modified_base
<222> (3)...(3)
<223> m5c
```

```
<221> modified_base
<222> (10)...( $\bar{1}0$ )
<223> m5c
```

```
<221> modified_base
<222> (14)...(14)
<223> m5c
```

```
<210> 765
<211> 20
<212> DNA
<213> Artificial Sequence
```

 $\langle 220 \rangle$


```

<223> Synthetic Sequence

<400> 765
atggaaggtc cagtgttctc                                20

<210> 766
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 766
gcatgacgtt gagct                                      15

<210> 767
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 767
gggggtcaacg ttgagggggg                                20

<210> 768
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 768
gggggtcaagt ctgagggggg                                20

<210> 769
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 769
cgcgcgcgcg cgcgcgcgcg                                20

<210> 770
<211> 28
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 770
ccccccccc ccccccccc cccccccc                        28

<210> 771

```

<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 771
ccccccccc ccccccccc ccccccccc ccccc

35

<210> 772
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 772
tccatgtcgc tccatgatcct

20

<210> 773
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 773
gctaaacggt agcgt

15

<210> 774
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 774
tccatgtcga tccatgatct

20

<210> 775
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 775
tccatgcgg tccatgatct

20

<210> 776
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

10017935-21601

<400> 776
 aaaatcaacg ttgaaaaaaa 20

<210> 777
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 777
 tccataacgt tccatgatgct 20

<210> 778
 <211> 23
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 778
 tggagggtccc accgagatcg gag 23

<210> 779
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 779
 cgtcgtcgtc gtcgtcgtc t 21

<210> 780
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 780
 ctgctgctgc tgcgtcgtc g 21

<210> 781
 <211> 21
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 781
 gagaacgctc cgaccttoga t 21

<210> 782
 <211> 15

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 782
gctagatggtt agcgt 15

<210> 783
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 783
gcatgacggtt gagct 15

<210> 784
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (8)...(10)
<223> Conjugated to FITC moiety.

<223> Synthetic Sequence

<400> 784
tcaatgctga 10

<210> 785
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (8)...(10)
<223> Conjugated to FITC moiety.

<223> Synthetic Sequence

<400> 785
tcaacgttga 10

<210> 786
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (8)...(10)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
91
92
93
94
95
96
97
98
99
100
101
102
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
121
122
123
124
125
126
127
128
129
130
131
132
133
134
135
136
137
138
139
140
141
142
143
144
145
146
147
148
149
150
151
152
153
154
155
156
157
158
159
160
161
162
163
164
165
166
167
168
169
170
171
172
173
174
175
176
177
178
179
180
181
182
183
184
185
186
187
188
189
190
191
192
193
194
195
196
197
198
199
200
201
202
203
204
205
206
207
208
209
210
211
212
213
214
215
216
217
218
219
220
221
222
223
224
225
226
227
228
229
230
231
232
233
234
235
236
237
238
239
240
241
242
243
244
245
246
247
248
249
250
251
252
253
254
255
256
257
258
259
260
261
262
263
264
265
266
267
268
269
270
271
272
273
274
275
276
277
278
279
280
281
282
283
284
285
286
287
288
289
290
291
292
293
294
295
296
297
298
299
300
301
302
303
304
305
306
307
308
309
310
311
312
313
314
315
316
317
318
319
320
321
322
323
324
325
326
327
328
329
330
331
332
333
334
335
336
337
338
339
340
341
342
343
344
345
346
347
348
349
350
351
352
353
354
355
356
357
358
359
360
361
362
363
364
365
366
367
368
369
370
371
372
373
374
375
376
377
378
379
380
381
382
383
384
385
386
387
388
389
390
391
392
393
394
395
396
397
398
399
400
401
402
403
404
405
406
407
408
409
410
411
412
413
414
415
416
417
418
419
420
421
422
423
424
425
426
427
428
429
430
431
432
433
434
435
436
437
438
439
440
441
442
443
444
445
446
447
448
449
450
451
452
453
454
455
456
457
458
459
460
461
462
463
464
465
466
467
468
469
470
471
472
473
474
475
476
477
478
479
480
481
482
483
484
485
486
487
488
489
490
491
492
493
494
495
496
497
498
499
500
501
502
503
504
505
506
507
508
509
510
511
512
513
514
515
516
517
518
519
520
521
522
523
524
525
526
527
528
529
530
531
532
533
534
535
536
537
538
539
540
541
542
543
544
545
546
547
548
549
550
551
552
553
554
555
556
557
558
559
560
561
562
563
564
565
566
567
568
569
570
571
572
573
574
575
576
577
578
579
580
581
582
583
584
585
586
587
588
589
590
591
592
593
594
595
596
597
598
599
600
601
602
603
604
605
606
607
608
609
610
611
612
613
614
615
616
617
618
619
620
621
622
623
624
625
626
627
628
629
630
631
632
633
634
635
636
637
638
639
640
641
642
643
644
645
646
647
648
649
650
651
652
653
654
655
656
657
658
659
660
661
662
663
664
665
666
667
668
669
670
671
672
673
674
675
676
677
678
679
680
681
682
683
684
685
686
687
688
689
690
691
692
693
694
695
696
697
698
699
700
701
702
703
704
705
706
707
708
709
710
711
712
713
714
715
716
717
718
719
720
721
722
723
724
725
726
727
728
729
730
731
732
733
734
735
736
737
738
739
740
741
742
743
744
745
746
747
748
749
750
751
752
753
754
755
756
757
758
759
760
761
762
763
764
765
766
767
768
769
770
771
772
773
774
775
776
777
778
779
780
781
782
783
784
785
786
787
788
789
790
791
792
793
794
795
796
797
798
799
800
801
802
803
804
805
806
807
808
809
810
811
812
813
814
815
816
817
818
819
820
821
822
823
824
825
826
827
828
829
830
831
832
833
834
835
836
837
838
839
840
841
842
843
844
845
846
847
848
849
850
851
852
853
854
855
856
857
858
859
860
861
862
863
864
865
866
867
868
869
870
871
872
873
874
875
876
877
878
879
880
881
882
883
884
885
886
887
888
889
890
891
892
893
894
895
896
897
898
899
900
901
902
903
904
905
906
907
908
909
910
911
912
913
914
915
916
917
918
919
920
921
922
923
924
925
926
927
928
929
930
931
932
933
934
935
936
937
938
939
940
941
942
943
944
945
946
947
948
949
950
951
952
953
954
955
956
957
958
959
960
961
962
963
964
965
966
967
968
969
970
971
972
973
974
975
976
977
978
979
980
981
982
983
984
985
986
987
988
989
990
991
992
993
994
995
996
997
998
999
1000

<400> 786
tcaacggtga 10

<210> 787
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (8)...(10)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 787
gcaatattgc 10

<210> 788
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (8)...(10)
<223> Conjugated to FITC moiety.

<223> Synthetic Sequence

<400> 788
gcaatattgc 10

<210> 789
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 789
agttgcaact 10

<210> 790
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 790
tcttcgaa 8

<210> 791
<211> 8
<212> DNA
<213> Artificial Sequence

<220>		
<223>	Synthetic Sequence	
<400>	791	
tcaacgtc		8
<210>	792	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	792	
ccatgtcggc cctgatgct		19
<210>	793	
<211>	18	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	793	
gtttttatat aatttggg		18
<210>	794	
<211>	23	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	794	
tttttgttg tcgttttgc gtt		23
<210>	795	
<211>	12	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	795	
ttgggggggg tt		12
<210>	796	
<211>	13	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Synthetic Sequence	
<400>	796	
ggggttgggg gtt		13

<210> 801

```

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<221> modified_base
<222> (6)...(6)
<223> m5c

<223> Synthetic Sequence

<400> 801
gagaangctc cagcactgat

<210> 802
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (5)...(5)
<223> m5c

<221> misc_feature
<222> (8)...(10)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 802
tcaangttga

<210> 803
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (2)...(2)
<223> m5c

<221> misc_feature
<222> (8)...(10)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 803
gnaatattgc

<210> 804
<211> 24
<212> DNA
<213> Artificial Sequence

```


<220>
 <223> Synthetic Sequence

 <400> 804
 tgctgctttt gtcgttttgt gctt 24

 <210> 805
 <211> 22
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 805
 ctgcgttagc aatttaactg tg 22

 <210> 806
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 806
 tccatgacgt tcctgatgct 20

 <210> 807
 <211> 28
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 807
 tgcatgccgt gcacccgtac acagctct 28

 <210> 808
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 808
 tgcatgccgt acacagctct 20

 <210> 809
 <211> 12
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 809
 tgcacagct ct 12

```

<210> 810
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 810
tgcgctct 8

<210> 811
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 811
ccccccccc ccccccccc 20

<210> 812
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 812
ccccccccc cc 12

<210> 813
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 813
cccccccc 8

<210> 814
<211> 12
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 814
tgcctcagct ct 12

<210> 815
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

```

```

<223> Synthetic Sequence

<400> 815
tgc atg cccgt acac agctct                20

<210> 816
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 816
gag caa gctg gac cttccat                20

<210> 817
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 817
tca acg ttaa cg ttaacg tt aacg ttaacg tt    32

<210> 818
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 818
gag aac gctc gac cttcgat                20

<210> 819
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 819
gtc cccattt ccc agaggag gaaat            25

<210> 820
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 820
cta gggctg acg tcatcaa gctag            25

<210> 821

```

<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 821	
ctagcttgat gacgtcagcc gctag	25
<210> 822	
<211> 16	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 822	
cggtctgacgt catcaa	16
<210> 823	
<211> 8	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 823	
ctgacgtg	8
<210> 824	
<211> 10	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 824	
ctgacgtcat	10
<210> 825	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 825	
attcgatcgg ggcggggcga g	21
<210> 826	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 826	
ctcgccccgc cccgacgaa t	21
<210> 827	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 827	
gactgacgtc agcgt	15
<210> 828	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 828	
ctagcggtcg acgtcataaa gctagc	26
<210> 829	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 829	
ctagctttat gacgtcagcc gctagc	26
<210> 830	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 830	
ctagcggtcg agctcataaa gctagc	26
<210> 831	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 831	
ctagtggctg acgtcatcaa gctag	25
<210> 832	
<211> 20	

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 832	
tccaccacgt ggtctatgct	20
<210> 833	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 833	
gggaatgaaa gatatttatta taag	24
<210> 834	
<211> 26	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 834	
tctaaaaaacc atctattctt aaccct	26
<210> 835	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 835	
agctcaacgt catgc	15
<210> 836	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 836	
ttaacgggtg tagcgggtatt ggctc	24
<210> 837	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 837	
ttaagaccaa taccgctacc accg	24
<210> 838	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 838	
gatctagtga tgagtcagcc ggatc	25
<210> 839	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 839	
gatccggctg actcatcact agatc	25
<210> 840	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 840	
tccaagacgt tcttgatgct	20
<210> 841	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 841	
tccatgacgt ccctgatgct	20
<210> 842	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 842	
tccaccacgt ggctgatgct	20
<210> 843	
<211> 17	
<212> DNA	

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 843

ccacgtggac ctctaga

17

<210> 844

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 844

tcagaccacg tggtcgggtg ttcctga

27

<210> 845

<211> 27

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 845

tcaggaacac ccgaccacgt ggtctga

27

<210> 846

<211> 18

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 846

catttccacg atttccca

18

<210> 847

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 847

ttcctctctg caagagact

19

<210> 848

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 848


```

tgtatctctc tgaaggact
    <210> 849
    <211> 25
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 849
ataaagcgaa actagcagca gtttc                25

    <210> 850
    <211> 25
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 850
gaaactgctg ctagtttcgc ttat                25

    <210> 851
    <211> 30
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 851
tgcccaaaga ggaaaatttg ttccatacag          30

    <210> 852
    <211> 30
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 852
ctgtatgaaa caaatttcc tctttgggca          30

    <210> 853
    <211> 20
    <212> DNA
    <213> Artificial Sequence

    <220>
    <223> Synthetic Sequence

    <400> 853
ttagggttag ggttagggtt                    20

    <210> 854
    <211> 20
    <212> DNA
    <213> Artificial Sequence

```

<220>
 <223> Synthetic Sequence

 <400> 854
 tccatgagct tctgatgct 20

 <210> 855
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 855
 aaaacatgac gttcaaaaaa 20

 <210> 856
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 856
 aaaacatgac gttcgggggg 20

 <210> 857
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 857
 ggggcacatgag cttcgggggg 20

 <210> 858
 <211> 24
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 858
 ctaggctgac gtcacaaagc tagt 24

 <210> 859
 <211> 30
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 859
 tctgacgtca tctgacgttg gctgacgtct 30

```

<210> 860
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 860
ggaattagta atagatatag aagtt                25

<210> 861
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 861
tttacctttt ataaacataa ctaaaacaaa            30

<210> 862
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 862
gcgttttttt ttgcg                            15

<210> 863
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 863
atatctaadc aaaacattaa caaa                    24

<210> 864
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 864
tctatcccag gtggttcctg ttag                    24

<210> 865
<211> 20
<212> DNA
<213> Artificial Sequence

```

```

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 865
tccatgacgt tctgtatgct 20

<210> 866
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (1)...(3)
<223> Conjugated to biotin moiety.

<223> Synthetic Sequence

<400> 866
tccatgacgt tctgtatgct 20

<210> 867
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (11)...(13)
<223> Conjugated to FITC moiety.

<221> misc_feature
<222> (0)...(0)
<223> Has phosphodiester backbone.

<223> Synthetic Sequence

<400> 867
tttttttttt ttt 13

<210> 868
<211> 13
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_feature
<222> (11)...(13)
<223> Conjugated to biotin moiety.

<221> misc_feature
<222> (0)...(0)
<223> Has phosphorothioate and phosphodiester chimeric
        backbone with phosphodiester on 3' end.

<223> Synthetic Sequence

```

<400> 868	
ttttttttt ttt	13
<210> 869	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 869	
ctagcttgat gagctcagcc gctag	25
<210> 870	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 870	
ttcagttgtc ttgctgctta gctaa	25
<210> 871	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 871	
tccatgagct tctgagtct	20
<210> 872	
<211> 25	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 872	
ctageggctg acgtcatcaa tctag	25
<210> 873	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 873	
tgctagctgt gctgtacct	20
<210> 874	
<211> 23	
<212> DNA	

<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 874	
atgctaag acgtcacatt gca	23
<210> 875	
<211> 23	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 875	
tgcaatgtga cgtcctttag cat	23
<210> 876	
<211> 31	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 876	
gtaggggact ttccgagctc gagatcctat g	31
<210> 877	
<211> 31	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 877	
cataggatct cgagctcgga aagtcacct a c	31
<210> 878	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 878	
ctgtcaggaa ctgcaggtaa gg	22
<210> 879	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 879	

cataacatag gaatatattac tcctcgc

<210> 880
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 880
ctccagctcc aagaaaggac g 21

<210> 881
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 881
gaagtttctg gtaagcttc g 21

<210> 882
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 882
tgctgctttt gtgctttgt gctt 24

<210> 883
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 883
tcgtcgtttt gtggttttgt gggt 24

<210> 884
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 884
tcgtcgtttg tcgttttgc gtt 23

<210> 885
<211> 22
<212> DNA
<213> Artificial Sequence

```

<220>
<223> Synthetic Sequence

<400> 885
tcctgacgtt cggcgcgcgc cc                22

<210> 886
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 886
tgctgctttt gtgcttttgt gctt                24

<210> 887
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 887
tccatgagct tctgagctt                20

<210> 888
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 888
tcgtcgtttc gtcgttttga cgtt                24

<210> 889
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 889
tcgtcgtttg cgtgcgttttc gtcgtt                26

<210> 890
<211> 27
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 890
tcgcgtgcgt ttgtcggttt tgacgtt                27

```


<210> 891
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 891
ttcgtcgttt tgcgttttg tcgtt 25

<210> 892
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 892
tcctgacggg gaagt 15

<210> 893
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 893
tcctggcgtg gaagt 15

<210> 894
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 894
tcctggcggg gaagt 15

<210> 895
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 895
tcctggcgtt gaagt 15

<210> 896
<211> 15
<212> DNA
<213> Artificial Sequence

100793-1201

<220>	
<223> Synthetic Sequence	
<400> 896	
tcctgacgtg gaagt	15
<210> 897	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 897	
gcgacgttcg gcgcgcgcc	20
<210> 898	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 898	
gcgacgggcg gcgcgcgcc	20
<210> 899	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 899	
gcggcggtcg gcgcgcgcc	20
<210> 900	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 900	
gcggcggtcg gcgcgcgcc	20
<210> 901	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 901	
gcgacggtcg gcgcgcgcc	20

<210> 902
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 902
gcggcggttcg gcgcgcgcc 20

<210> 903
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 903
gcgacgtgcg gcgcgcgcc 20

<210> 904
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 904
tcgtcgtgt ctcgc 15

<210> 905
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 905
tgtgggggtt ttggtttgg 20

<210> 906
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 906
aggggagggg aggggaggg 20

<210> 907
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Sequence	
<400> 907	
tgtgtgtgtg tgtgtgtgtg t	21
<210> 908	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 908	
ctctctctct ctctctctct ct	22
<210> 909	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 909	
ggggtcgacg tcgagggggg	20
<210> 910	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 910	
atatatatat atatatatat at	22
<210> 911	
<211> 27	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 911	
tttttttttt tttttttttt ttttttt	27
<210> 912	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 912	
tttttttttt tttttttttt t	21
<210> 913	

<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 913	
tttttttttt tttttttt	18
<210> 914	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 914	
gctagagggg aggggt	15
<210> 915	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 915	
gctagatgtt agggg	15
<210> 916	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 916	
gcatgagggg gagct	15
<210> 917	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 917	
atggaaggtc cagggggctc	20
<210> 918	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 918	
atggactctg gagggggctc	20
<210> 919	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 919	
atggaaggctc caaggggctc	20
<210> 920	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 920	
gagaaggggg gaccttggat	20
<210> 921	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 921	
gagaaggggg gaccttccat	20
<210> 922	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 922	
gagaaggggc cagcactgat	20
<210> 923	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 923	
tccatgtggg gcctgatgct	20
<210> 924	
<211> 20	

<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 924
tccatgaggg gcctgatgct 20

<210> 925
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 925
tccatgtggg gcctgctgat 20

<210> 926
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 926
atggactctc cggggttctc 20

<210> 927
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 927
atggaaggtc cggggttctc 20

<210> 928
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 928
atggactctg gaggggtctc 20

<210> 929
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

100795-1-1001

<400> 929	
atggaggctc catggggctc	20
<210> 930	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 930	
atggactctg ggggttctc	20
<210> 931	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 931	
tccatgtggg tggggatgct	20
<210> 932	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 932	
tccatgcggg tggggatgct	20
<210> 933	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 933	
tccatggggg tctgatgct	20
<210> 934	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 934	
tccatggggt cctgatgct	20
<210> 935	
<211> 20	
<212> DNA	

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 935
tccatggggg gctgatgct 20

<210> 936
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 936
tccatggggg tcctgatgct 20

<210> 937
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 937
tccatggggg gctgatgct 20

<210> 938
<211> 14
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 938
gctagaggga gtgt 14

<210> 939
<211> 18
<212> DNA
<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 939
tttttttttt tttttttt 18

<210> 940
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

<221> misc_difference
<222> (2)...(2)
<223> m is a or c

```

<221> misc difference
<222> (18)_(18)
<223> m is a or c

<223> Synthetic Sequence

<400> 940
gmgggtcaacg ttgagggmgg g                                21

<210> 941
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 941
ggggagttcg ttgagggggg g                                21

<210> 942
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 942
tcgtcgtttc ccccccccc                                20

<210> 943
<211> 25
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 943
ttgggggggtt tttttttttt ttttt                                25

<210> 944
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 944
tttaaat tttt aaaattttaaa ata                            23

<210> 945
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

```

<400> 945
ttggtttttt tggttttttt ttgg 24

<210> 946
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 946
tttccctttt ccccttttcc cctc 24

<210> 947
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<221> misc_difference
<222> (21)...(21)
<223> s is g or c

<223> Synthetic Sequence

<400> 947
gggggtcatcg atgagggggg s 21

<210> 948
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 948
tccatgacgt tctgacgtt 20

<210> 949
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 949
tccatgacgt tctgacgtt 20

<210> 950
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 950

tccatgacgt tcctgacgtt 20

<210> 951
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 951
tccatgacgt tcctgacgtt 20

<210> 952
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 952
tccatgacgt tcctgacgtt 20

<210> 953
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 953
tccatgacgt tcctgacgtt 20

<210> 954
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 954
tccatgacgt tcctgacgtt 20

<210> 955
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 955
tccatgacgt tcctgacgtt 20

<210> 956
<211> 20
<212> DNA
<213> Artificial Sequence

<220>		
<223> Synthetic Sequence		
<400> 956		
tccatgacgt tctgacgtt		20
<210> 957		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 957		
tccatgacgt tctgacgtt		20
<210> 958		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 958		
tccatgacgt tctgacgtt		20
<210> 959		
<211> 19		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 959		
gggggacgat cgtcggggg		19
<210> 960		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 960		
gggggtcgta cgacggggg		20
<210> 961		
<211> 24		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 961		
tttttttttt tttttttttt tttt		24

```

<210> 962
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 962
aaaaaaaaaa aaaaaaaaaa aaaa                24

<210> 963
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 963
ccccccccc ccccccccc cccc                24

<210> 964
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 964
tcgtcgtttt gtcgttttgt cggt                24

<210> 965
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 965
tcgtcgtttt gtcgttttgt cggt                24

<210> 966
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 966
tcgtcgtttt gtcgttttgt cggt                24

<210> 967
<211> 24
<212> DNA
<213> Artificial Sequence

```

1007952201

<220>
 <223> Synthetic Sequence

 <400> 967
 tcgtcgtttt gtcgttttgt cggt 24

 <210> 968
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 968
 ggggtcaacg ttgagggggg 20

 <210> 969
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 969
 ggggtcaacg ttgagggggg 20

 <210> 970
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 970
 ggggtcaacg ttgagggggg 20

 <210> 971
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 971
 tgctgcttcc cccccccccc 20

 <210> 972
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 972
 ggggacgtcg acgtgggggg 20

<210> 973	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 973	
ggggtcgtcg acgagggggg	20
<210> 974	
<211> 24	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 974	
ggggtcgacg tacgtcgagg gggg	24
<210> 975	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 975	
ggggaccggt accggtgggg gg	22
<210> 976	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 976	
gggtcgacgt cgagggggg	19
<210> 977	
<211> 19	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 977	
ggggtcgacg tcgaggggg	19
<210> 978	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	

<223> Synthetic Sequence

<400> 978
ggggaacggtt aacgttgggg gg 22

<210> 979
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 979
ggggtcaccg gtgagggggg 20

<210> 980
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 980
ggggtcggttc gaacgagggg gg 22

<210> 981
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 981
ggggacggttc gaacgtgggg gg 22

<210> 982
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 982
tcaactttga 10

<210> 983
<211> 10
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 983
tcaagcttga 10

<210> 984

<211> 12	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 984	
tcacgatcgt ga	12
<210> 985	
<211> 12	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 985	
tcagcatgct ga	12
<210> 986	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 986	
gggggagcat gctggggggg	20
<210> 987	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 987	
gggggggggg gggggggggg	20
<210> 988	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 988	
gggggacgat atcgtcgggg gg	22
<210> 989	
<211> 22	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 989
gggggacgac gtcgtcgggg gg 22

<210> 990
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 990
gggggacgag ctcgtcgggg gg 22

<210> 991
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 991
gggggacgta cgtcgggggg 20

<210> 992
<211> 8
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 992
tcaacggt 8

<210> 993
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 993
tccataccgg tcttgatgct 20

<210> 994
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 994
tccataccgg tctaccggt 20

<210> 995
<211> 20

<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 995	
gggggacgat cggtgggggg	20
<210> 996	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 996	
ggggaacgat cgtcgggggg	20
<210> 997	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 997	
ggggggacga tcgtcggggg g	21
<210> 998	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 998	
gggggacgat cgtcgggggg g	21
<210> 999	
<211> 12	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 999	
aaagacgtta aa	12
<210> 1000	
<211> 12	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 1000 aaagagctta aa	12
<210> 1001 <211> 12 <212> DNA <213> Artificial Sequence	
<220> <221> modified base <222> (6)...(6) <223> m5c	
<223> Synthetic Sequence	
<400> 1001 aaagangtta aa	12
<210> 1002 <211> 12 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1002 aaattcggaa aa	12
<210> 1003 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1003 gggggtcatc gatgagggg g	21
<210> 1004 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1004 gggggtcaac gttgagggg g	21
<210> 1005 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1005 atgtagctta ataacaaagc	20

<210> 1006
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1006
ggatcccttg agttacttct 20

<210> 1007
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1007
ccattccact ttgattacc 20

<210> 1008
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1008
tatgtattat catgtagata 20

<210> 1009
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1009
agcctacgta ttcacctcc 20

<210> 1010
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1010
ttcctgcaac tactattgta 20

<210> 1011
<211> 20
<212> DNA
<213> Artificial Sequence

```

<220>
<223> Synthetic Sequence

<400> 1011
. atagaaggcc ctacaccagt                20

<210> 1012
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1012
ttacaccggt ctatggaggt                20

<210> 1013
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1013
ctaaccagat caagtctagg                20

<210> 1014
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1014
cctagacttg atctgggttag                20

<210> 1015
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1015
tataagcctc gtccgacatg                20

<210> 1016
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1016
catgtcggac gaggcttata                20

```

<210> 1017	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1017	
tggtggtggg gagtaagctc	20
<210> 1018	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1018	
gagctactcc cccaccacca	20
<210> 1019	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1019	
gccttgcgac ttctgtggga	20
<210> 1020	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1020	
tggactctct ttgcgcgtct	20
<210> 1021	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1021	
atgctgtagc ccagcgataa	20
<210> 1022	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	

<223> Synthetic Sequence

<400> 1022
accgaatcag cggaaagtga 20

<210> 1023
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1023
tccatgacgt tctgacgtt 20

<210> 1024
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1024
ggagaaaccc atgagctcat ctgg 24

<210> 1025
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1025
accacagacc agcaggcaga 20

<210> 1026
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1026
gagcgtgaac tgcgcgaaga 20

<210> 1027
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1027
tcggtaccct tgcagcggtt 20

<210> 1028

<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1028	
ctggagccct agccaaggat	20
<210> 1029	
<211> 20	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1029	
gcgactccat caccagcgat	20
<210> 1030	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1030	
cctgaagtaa gaaccagatg t	21
<210> 1031	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1031	
ctgtgttatc tgacatacac c	21
<210> 1032	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	
<400> 1032	
aattagccctt aggtgattgg g	21
<210> 1033	
<211> 21	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Synthetic Sequence	

<400> 1033 acatctgggtt cttacttcag g	21
<210> 1034 <211> 23 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1034 ataagtcata ttttgggaac tac	23
<210> 1035 <211> 21 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1035 cccaatcacc taaggctaata t	21
<210> 1036 <211> 20 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1036 gggggtcgctcg acgagggggg	20
<210> 1037 <211> 22 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1037 gggggtcggttc gaacgagggg gg	22
<210> 1038 <211> 22 <212> DNA <213> Artificial Sequence	
<220> <223> Synthetic Sequence	
<400> 1038 ggggacgttc gaacgtgggg gg	22
<210> 1039 <211> 15	

```

<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (9)...(9)
<223> n is 5-methylcytosine.

<223> Synthetic Sequence

<400> 1039
tcctggcgng gaagt 15

<210> 1040
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1040
ggggaacgac gtcgtgggg gg 22

<210> 1041
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1041
ggggaacgta cgtcggggg 20

<210> 1042
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1042
ggggaacgta cgtacgttg ggg 24

<210> 1043
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1043
ggggtcaccg gtgaggggg 20

<210> 1044
<211> 24
<212> DNA
<213> Artificial Sequence

```

<220>
<223> Synthetic Sequence

<400> 1044
ggggtcgacg tacgtcgagg gggg 24

<210> 1045
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1045
ggggaccggt accggtgggg gg 22

<210> 1046
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1046
gggtcgacgt cgagggggg 19

<210> 1047
<211> 18
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1047
ggggtcgacg tcgagggg 18

<210> 1048
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1048
ggggaacggt aacgttgggg gg 22

<210> 1049
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1049
ggggacgtcg acgtggggg 19

<210> 1050
 <211> 34
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1050
 gcactcttcg aagctacagc cggcagcctc tgat 34

 <210> 1051
 <211> 32
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1051
 cggctcttcc atgaggtctt tgctaattctt gg 32

 <210> 1052
 <211> 35
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1052
 cggctcttcc atgaaagtct ttgacgatg tgagc 35

 <210> 1053
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1053
 tcctgcaggt taagt 15

 <210> 1054
 <211> 20
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1054
 gggggtcggt cgttgggggg 20

 <210> 1055
 <211> 20
 <212> DNA
 <213> Artificial Sequence

```

<220>
<223> Synthetic Sequence

<400> 1055
gggggatgat tgttggggg      20

<210> 1056
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (7)...(7)
<223> m5c

<221> modified_base
<222> (11)...(11)
<223> m5c

<223> Synthetic Sequence

<400> 1056
gggggangat ngttggggg      20

<210> 1057
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1057
gggggagcta gcttggggg      20

<210> 1058
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1058
ggttcttttg gtcctgtct      20

<210> 1059
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1059
ggttcttttg gtcctgtct      20

<210> 1060
<211> 20
<212> DNA

```

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 1060

ggttccttttg gtccttatct 20

<210> 1061

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 1061

ggttccttggt ttctctgtct 20

<210> 1062

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 1062

tggctcttttg gtccttgtct 20

<210> 1063

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 1063

ggttcaaatg gtccttgtct 20

<210> 1064

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 1064

gggtccttttg ggccttgtct 20

<210> 1065

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Sequence

<400> 1065

tccaggactt ctctcaggtt tttt 24

<210> 1066
 <211> 20
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 1066
 tccaaaactt ctctcaaatt 20

<210> 1067
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 1067
 tactactttt atacttttat actt 24

<210> 1068
 <211> 24
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 1068
 tgtgtgtgtg tgtgtgtgtg tgtg 24

<210> 1069
 <211> 25
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 1069
 ttgttgttgt tgtttgttgt tgttg 25

<210> 1070
 <211> 27
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic Sequence

<400> 1070
 ggctccgggg agggaatttt tgtctat 27

<210> 1071
 <211> 19
 <212> DNA
 <213> Artificial Sequence

<220>		
<223> Synthetic Sequence		
<400> 1071		
gggacgacgcg tcggggggg		19
<210> 1072		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 1072		
gggtcgtcga cgagggggg		20
<210> 1073		
<211> 19		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 1073		
ggtcgtcgac gagggggg		19
<210> 1074		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 1074		
gggtcgtcgt cgtgggggg		20
<210> 1075		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 1075		
ggggacgacg gtcgggggg		20
<210> 1076		
<211> 20		
<212> DNA		
<213> Artificial Sequence		
<220>		
<223> Synthetic Sequence		
<400> 1076		
ggggacgacg tcgtggggg		20

<210> 1077
 <211> 27
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1077
 ggggtcgacg tcgacgtcga ggggggg 27

 <210> 1078
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1078
 ggggaaccgc ggttggggg g 21

 <210> 1079
 <211> 21
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1079
 ggggacgacg tcgtggggg g 21

 <210> 1080
 <211> 23
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1080
 tcgtcgtcgt cgtcgtggg ggg 23

 <210> 1081
 <211> 15
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic Sequence

 <400> 1081
 tcctgccggg gaagt 15

 <210> 1082
 <211> 15
 <212> DNA
 <213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1082 15
tcctgcaggg gaagt

<210> 1083
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1083 15
tcctgaaggg gaagt

<210> 1084
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1084 15
tcctggcggg caagt

<210> 1085
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1085 15
tcctggcggg taagt

<210> 1086
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1086 15
tcctggcggg aaagt

<210> 1087
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1087 15
tccgggcggg gaagt

<210> 1088
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1088 15
tcggggcggg gaagt

<210> 1089
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1089 15
tccggcgagg gaagt

<210> 1090
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1090 15
gggggacgtt ggggg

<210> 1091
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1091 20
gggggtttttt ttttgggggg

<210> 1092
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Sequence

<400> 1092 20
ggggccccc cccgggggg

<210> 1093
<211> 21
<212> DNA
<213> Artificial Sequence

<220>

1088
1089
1090
1091
1092
1093

<223> Synthetic Sequence

<400> 1093

ggggttgttg ttgttggggg g

21

10017925-121801